

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090415\  
 Data File : BF081458.D  
 Acq On : 5 Sep 2015 11:43  
 Operator : UM/IZ  
 Sample : G3511-21  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-X

Quant Time: Sep 07 02:48:55 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 07 02:47:26 2015  
 Response via : Initial Calibration

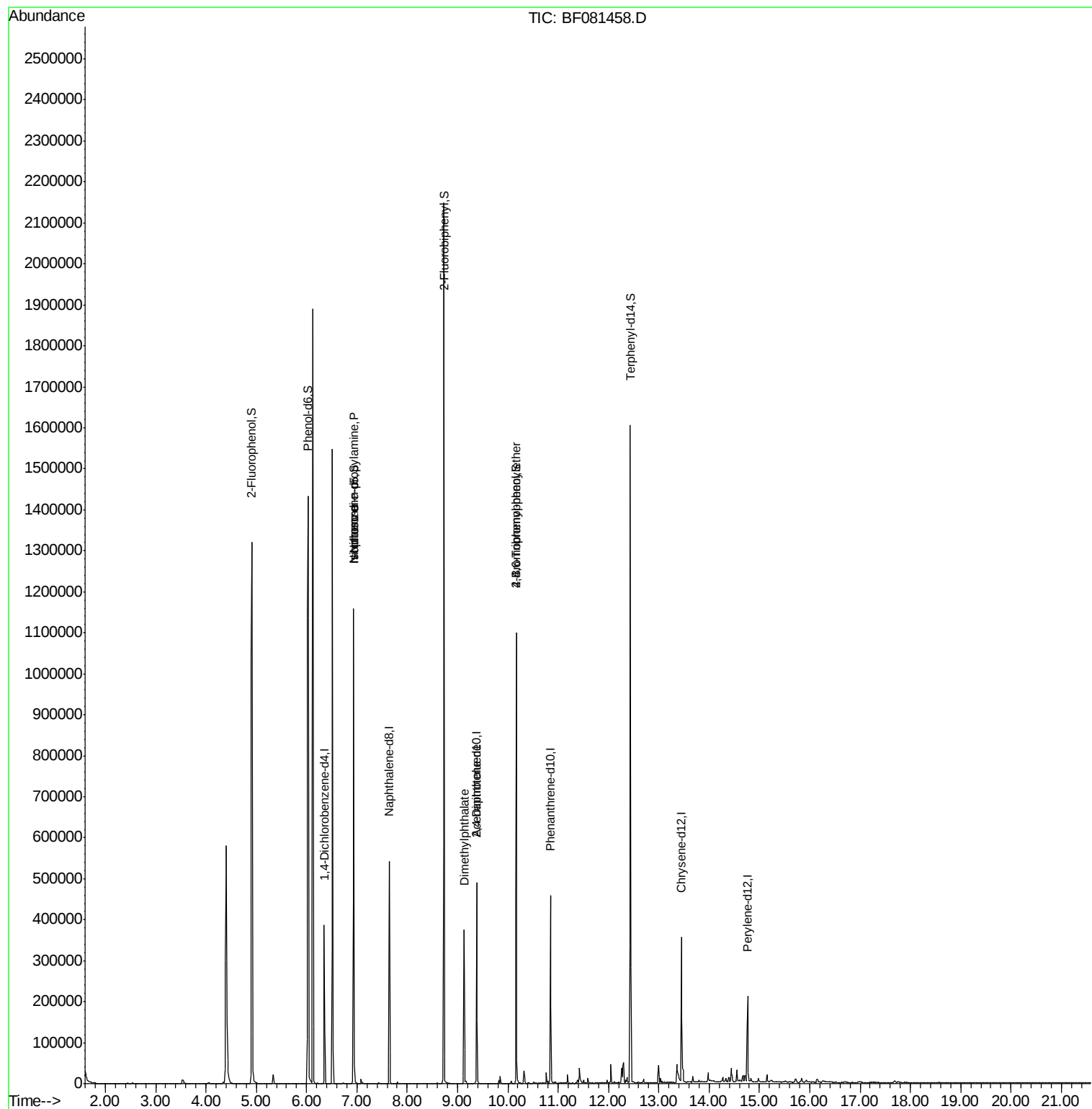
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.35  | 152  | 55785    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.64  | 136  | 216158   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.38  | 164  | 98489    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 10.84 | 188  | 187496   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.45 | 240  | 134675   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 14.77 | 264  | 99337    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.91  | 112  | 453119   | 126.02 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.03  | 99   | 647949   | 136.14 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 6.94  | 82   | 382102   | 85.29  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.17 | 330  | 108279   | 123.47 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.73  | 172  | 632896   | 82.35  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.43 | 244  | 480333   | 83.02  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.94  | 70   | 52424    | 16.18  | ng    | # 62     |
| 25) Isophorone                 | 6.94  | 82   | 280365   | 33.64  | ng    | # 58     |
| 49) Dimethylphthalate          | 9.13  | 163  | 137717   | 18.00  | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 9.38  | 165  | 12672    | 5.73   | ng    | # 31     |
| 66) 4-Bromophenyl-phenylether  | 10.17 | 248  | 8271     | 4.36   | ng    | # 1      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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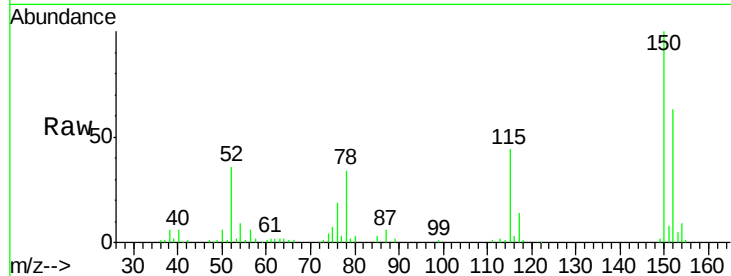


#1

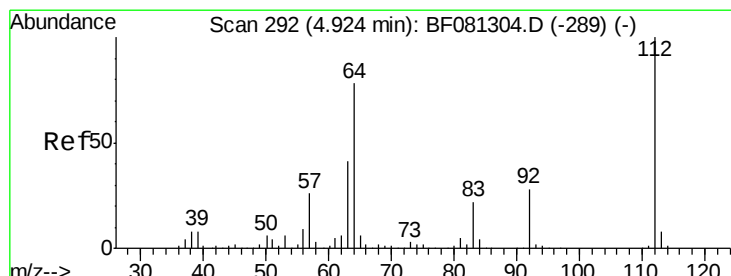
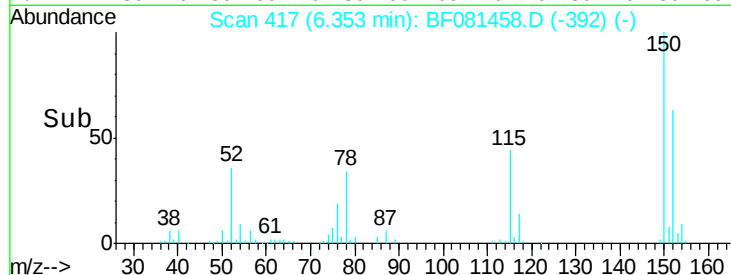
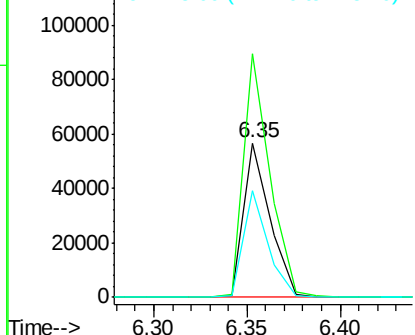
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.35 min Scan# 417  
Delta R.T. -0.01 min  
Lab File: BF081458.D  
Acq: 5 Sep 2015 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
DUP-X

Tot Ion:152 Resp: 55785  
Ion Ratio Lower Upper  
152 100  
150 157.7 124.7 187.1  
115 69.4 39.0 58.4#



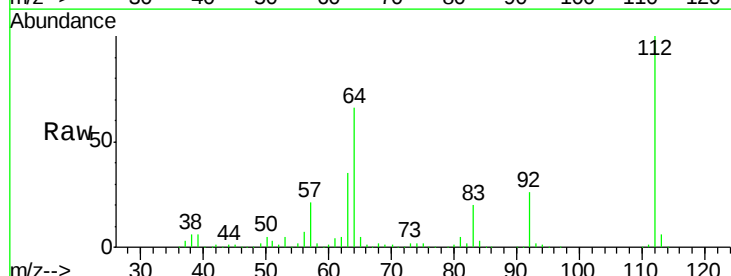
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



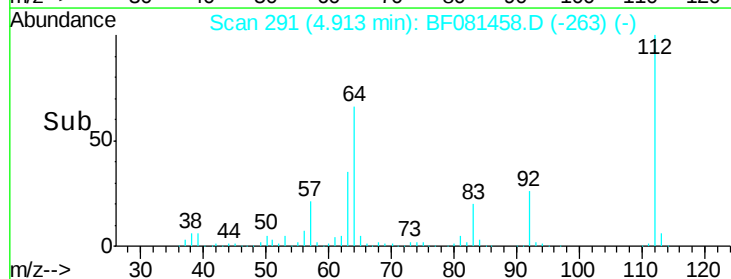
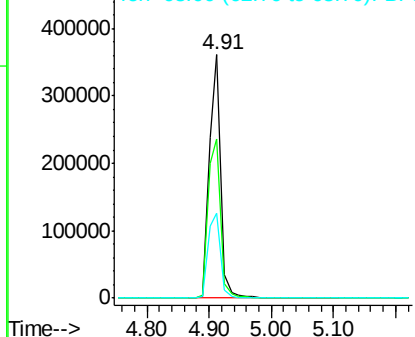
#5

2-Fluorophenol  
Concen: 126.02 ng  
RT: 4.91 min Scan# 291  
Delta R.T. 0.02 min  
Lab File: BF081458.D  
Acq: 5 Sep 2015 11:43

Tgt Ion:112 Resp: 453119  
Ion Ratio Lower Upper  
112 100  
64 65.6 39.7 59.5#  
63 35.1 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 136.14 ng

RT: 6.03 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF081458.D

Acq: 5 Sep 2015 11:43

Instrument :

BNA\_F

ClientSampleId :

DUP-X

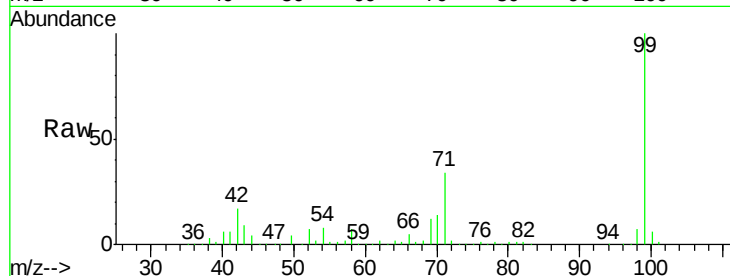
Tot Ion: 99 Resp: 647949

Ion Ratio Lower Upper

99 100

42 17.5 13.7 20.5

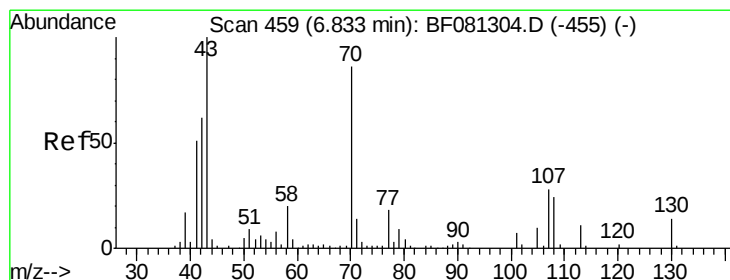
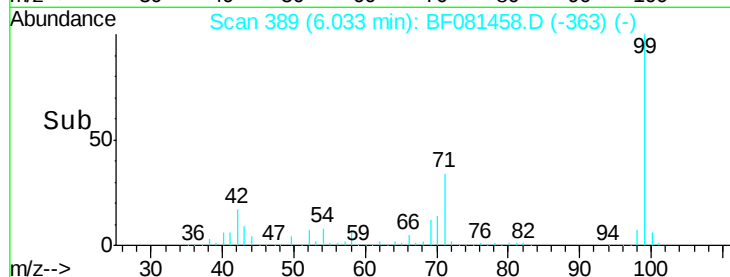
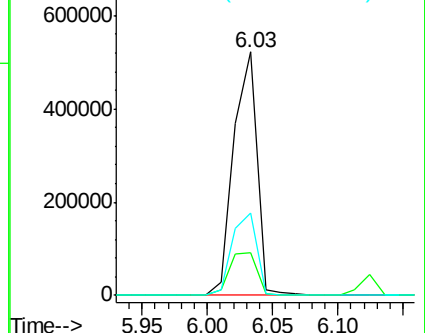
71 33.7 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.18 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.13 min

Lab File: BF081458.D

Acq: 5 Sep 2015 11:43

Tgt Ion: 70 Resp: 52424

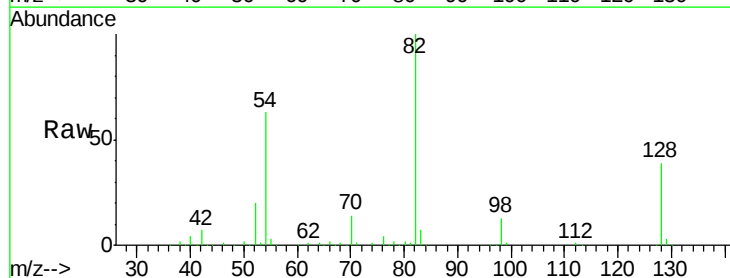
Ion Ratio Lower Upper

70 100

42 52.4 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#

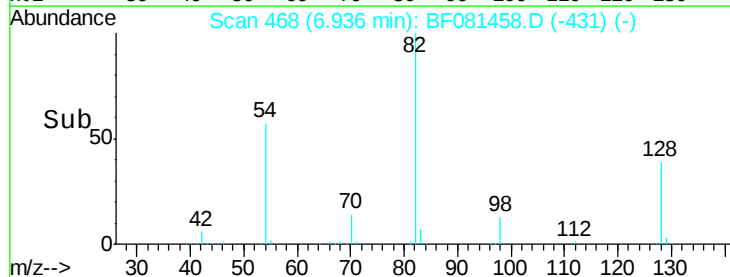
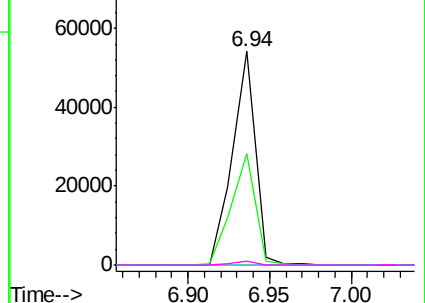


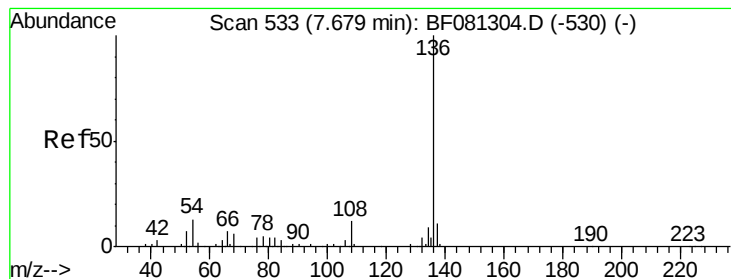
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081458.D

Acq: 5 Sep 2015 11:43

Instrument :

BNA\_F

ClientSampleId :

DUP-X

Tot Ion:136 Resp: 216158

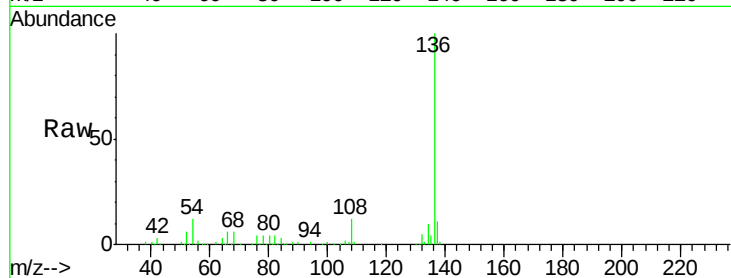
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 12.2 8.2 12.2#

68 5.5 5.8 8.6#

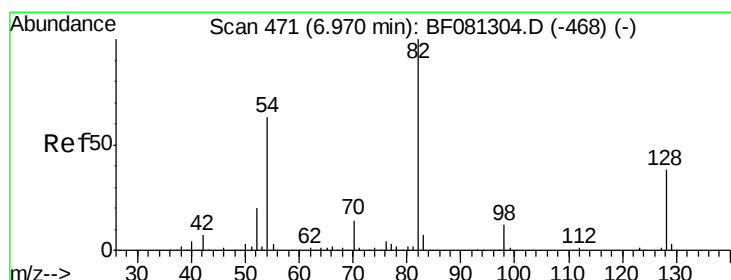
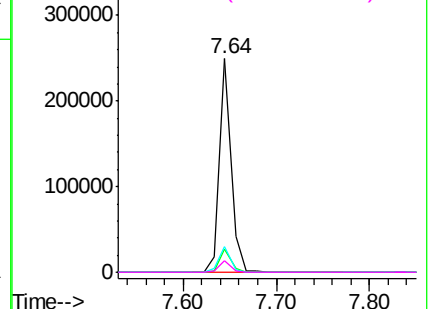
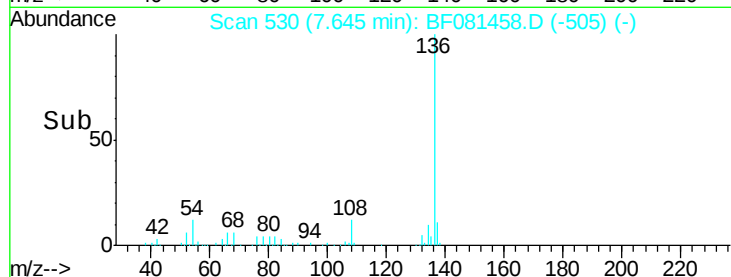


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 85.29 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF081458.D

Acq: 5 Sep 2015 11:43

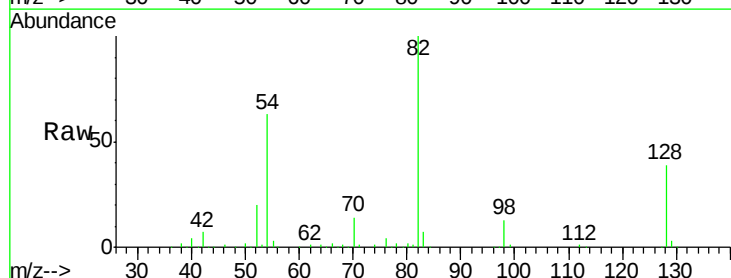
Tgt Ion: 82 Resp: 382102

Ion Ratio Lower Upper

82 100

128 38.6 51.0 76.6#

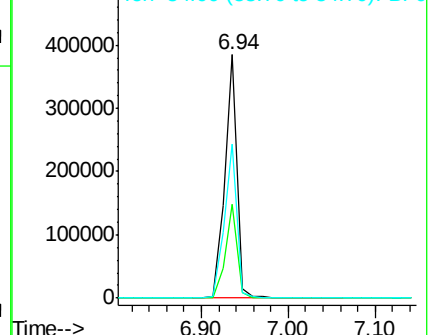
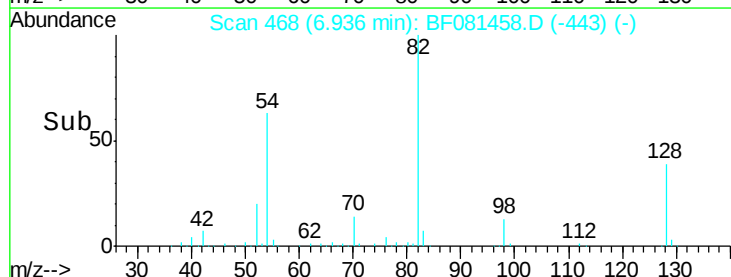
54 63.4 47.5 71.3

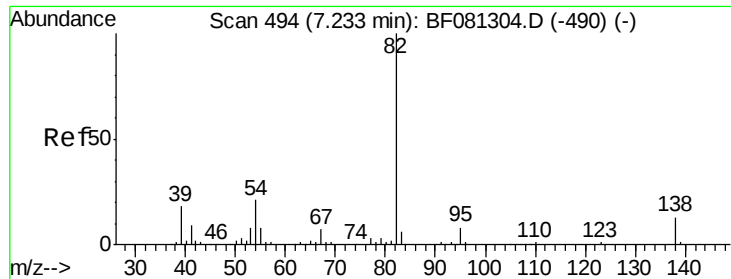


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.64 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.27 min

Lab File: BF081458.D

Acq: 5 Sep 2015 11:43

Instrument :

BNA\_F

ClientSampleId :

DUP-X

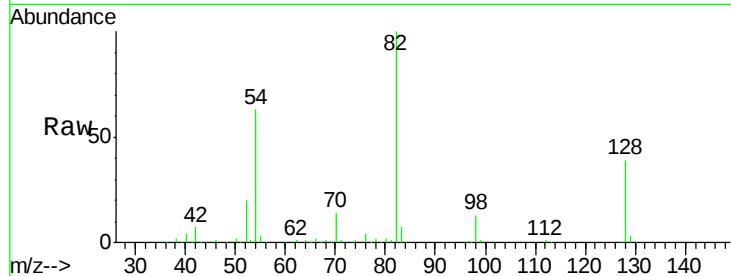
Tot Ion: 82 Resp: 280365

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

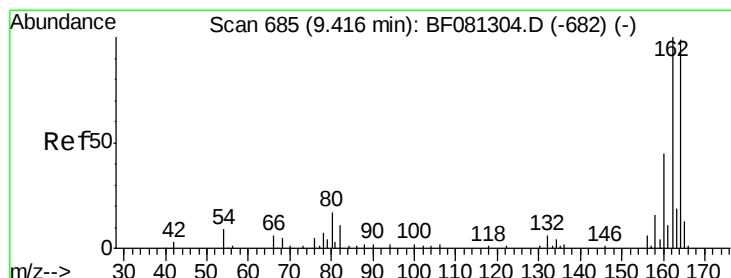
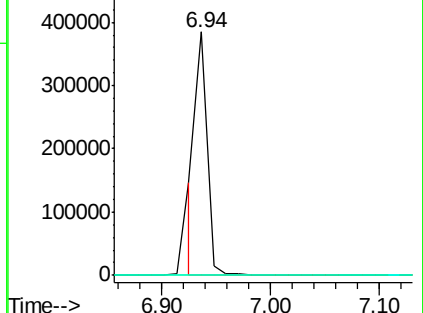
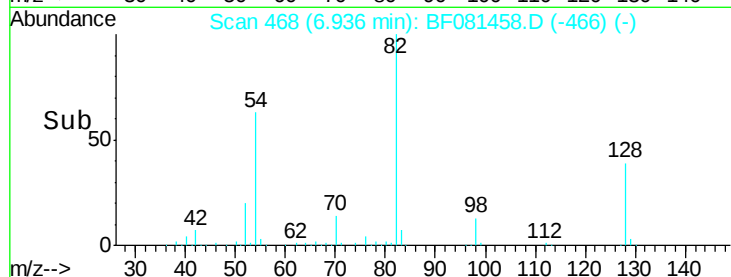
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF081458.D

Acq: 5 Sep 2015 11:43

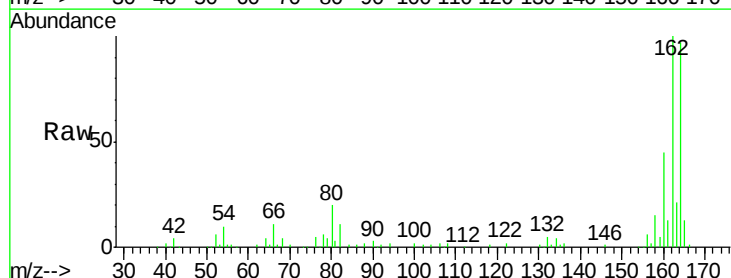
Tgt Ion: 164 Resp: 98489

Ion Ratio Lower Upper

164 100

162 103.5 75.2 112.8

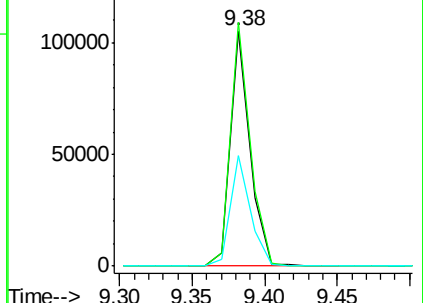
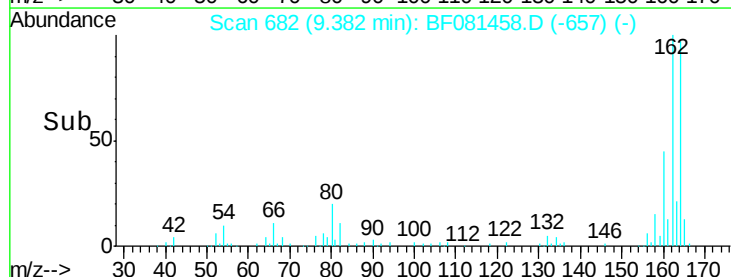
160 46.9 31.5 47.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

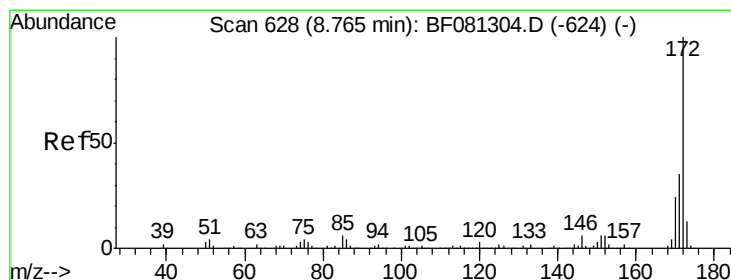
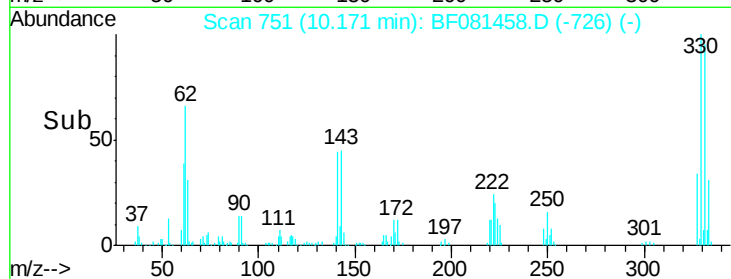
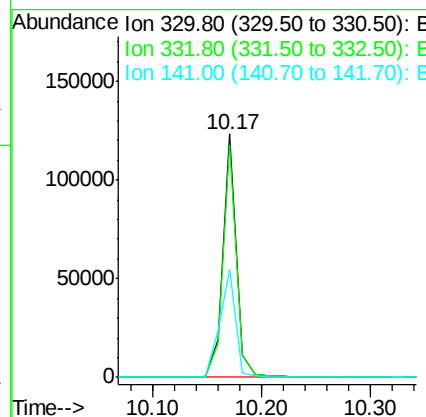
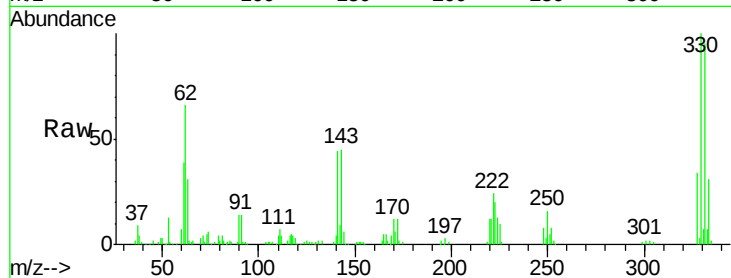




#41  
 2,4,6-Tribromophenol  
 Concen: 123.47 ng  
 RT: 10.17 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF081458.D  
 Acq: 5 Sep 2015 11:43

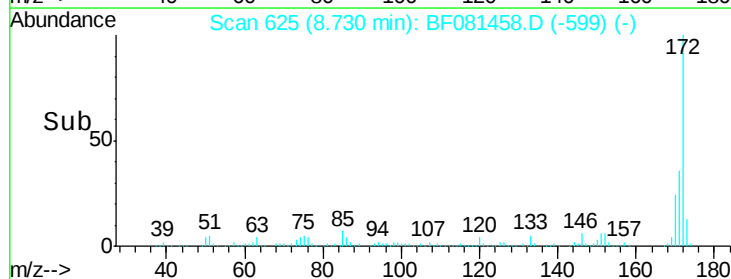
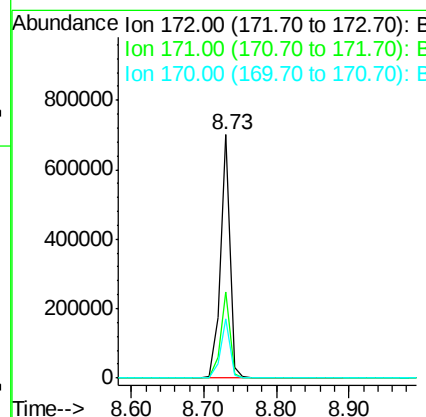
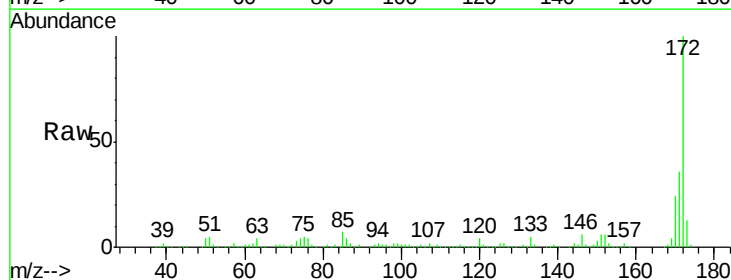
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-X

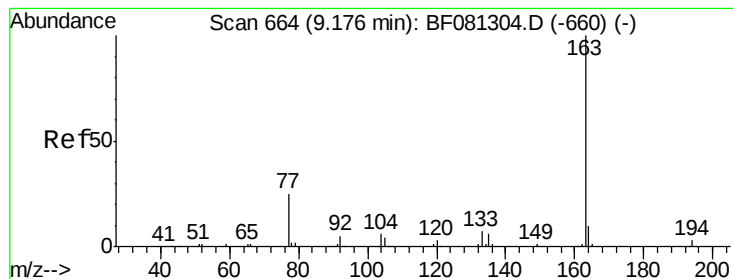
Tot Ion:330 Resp: 108279  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 76.6 114.8  
 141 51.9 29.7 44.5#



#44  
 2-Fluorobiphenyl  
 Concen: 82.35 ng  
 RT: 8.73 min Scan# 625  
 Delta R.T. 0.00 min  
 Lab File: BF081458.D  
 Acq: 5 Sep 2015 11:43

Tgt Ion:172 Resp: 632896  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 26.1 39.1  
 170 24.4 17.4 26.2





#49

Dimethylphthalate

Concen: 18.00 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF081458.D

Acq: 5 Sep 2015 11:43

Instrument :

BNA\_F

ClientSampleId :

DUP-X

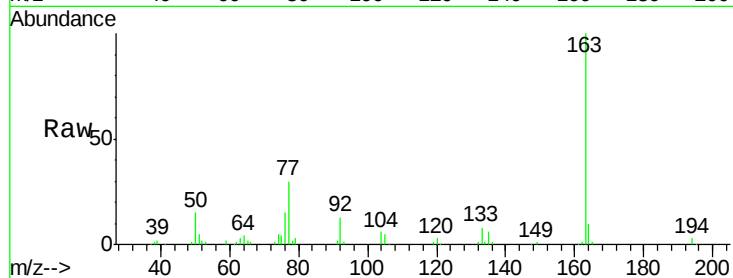
Tot Ion:163 Resp: 137717

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

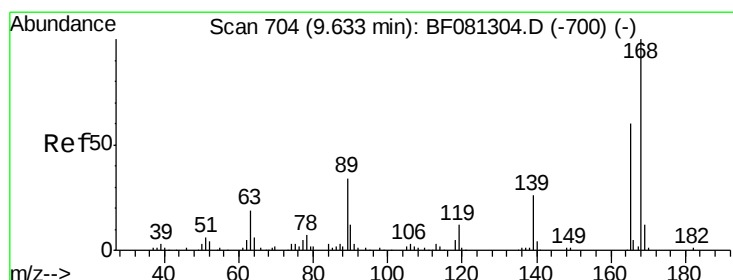
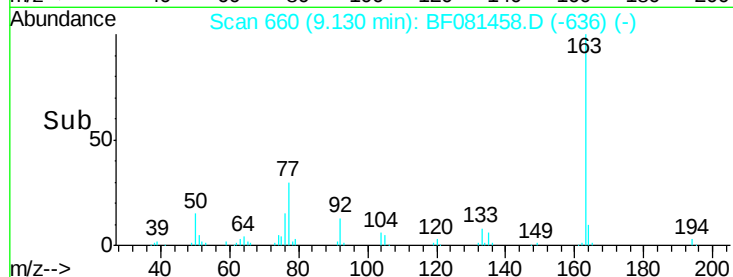
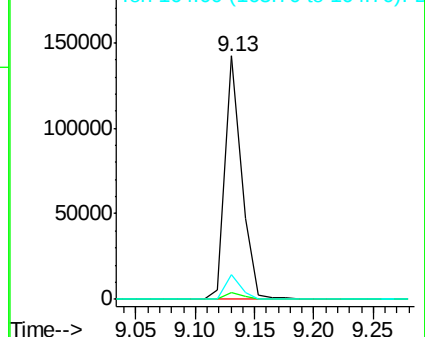
164 10.3 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.73 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.22 min

Lab File: BF081458.D

Acq: 5 Sep 2015 11:43

Tgt Ion:165 Resp: 12672

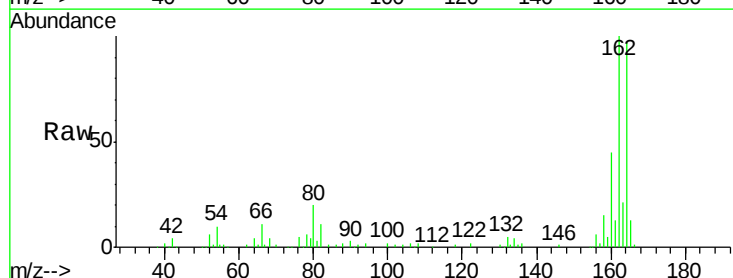
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

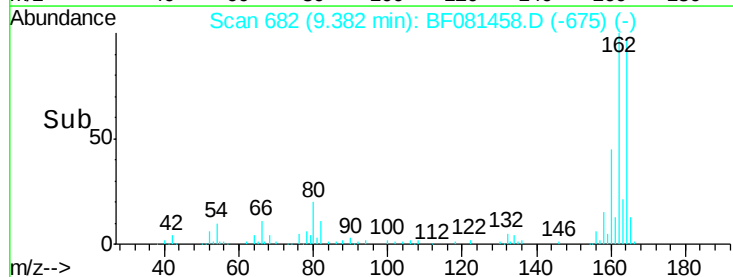
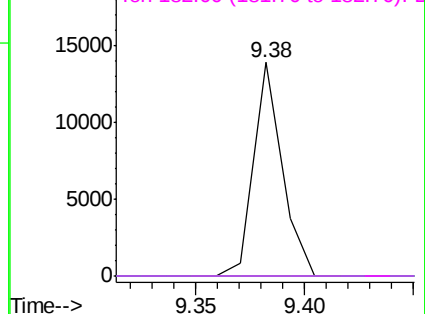


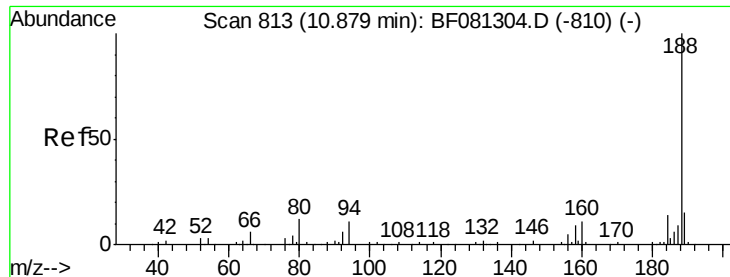
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

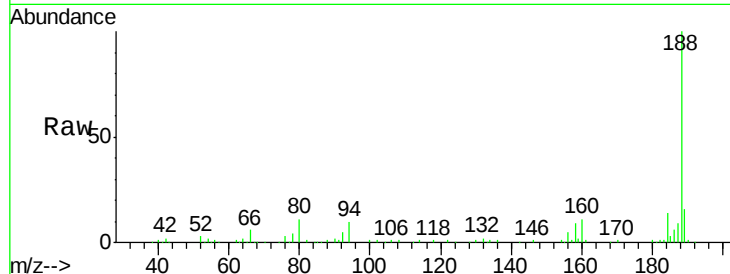




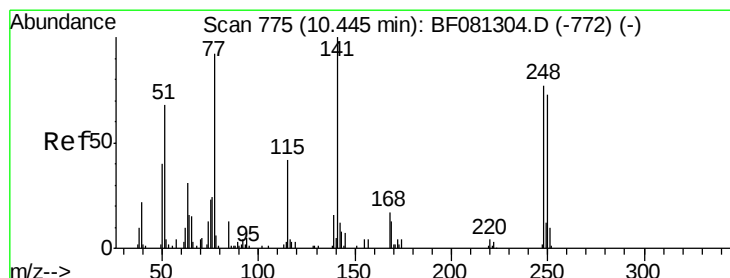
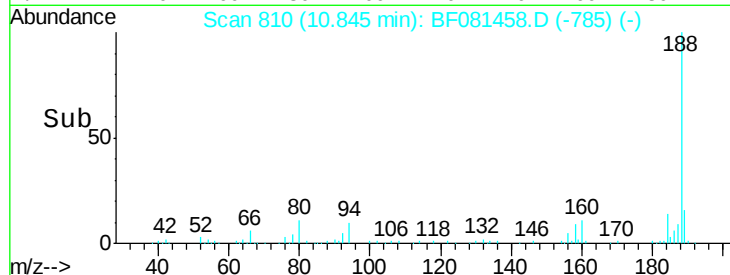
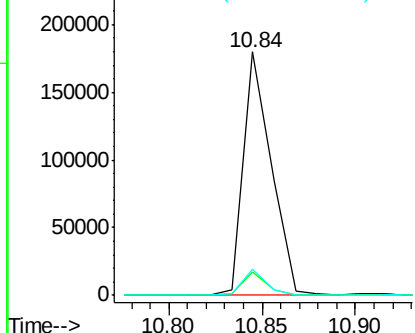
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.84 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BF081458.D  
Acq: 5 Sep 2015 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
DUP-X

Tot Ion:188 Resp: 187496  
Ion Ratio Lower Upper  
188 100  
94 9.6 11.1 16.7#  
80 10.8 11.0 16.4#

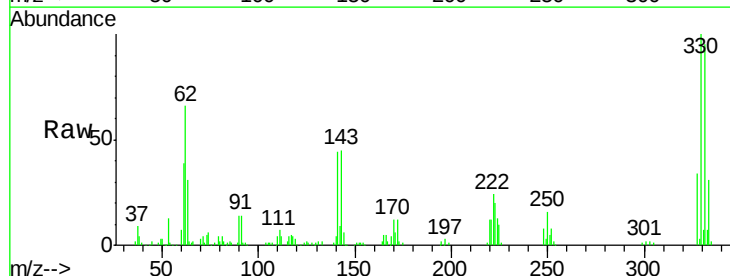


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

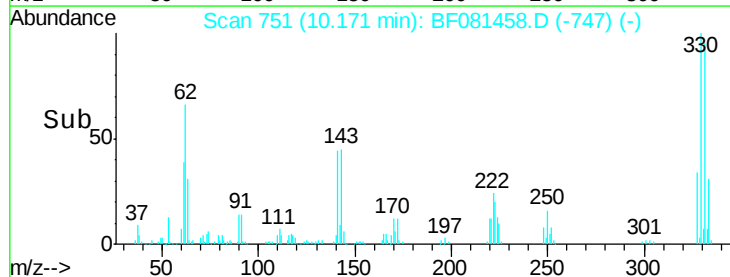
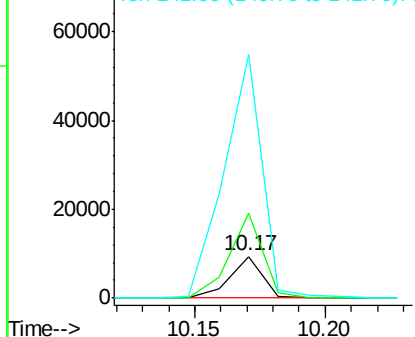


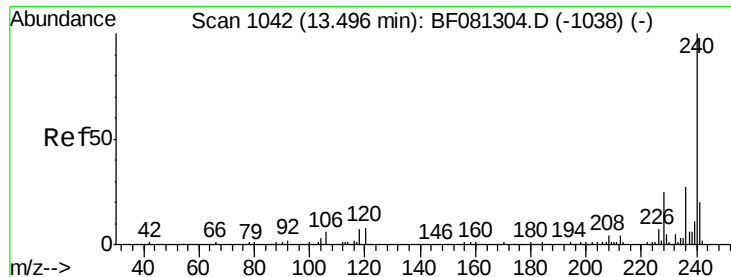
#66  
4-Bromophenyl-phenylether  
Concen: 4.36 ng  
RT: 10.17 min Scan# 751  
Delta R.T. -0.25 min  
Lab File: BF081458.D  
Acq: 5 Sep 2015 11:43

Tgt Ion:248 Resp: 8271  
Ion Ratio Lower Upper  
248 100  
250 203.8 78.5 117.7#  
141 580.9 59.0 88.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

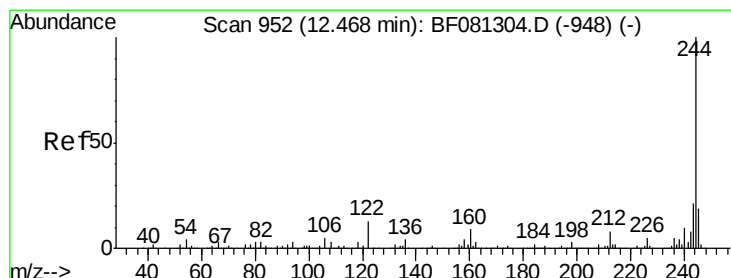
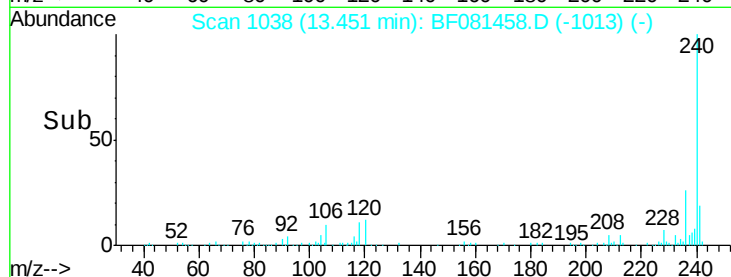
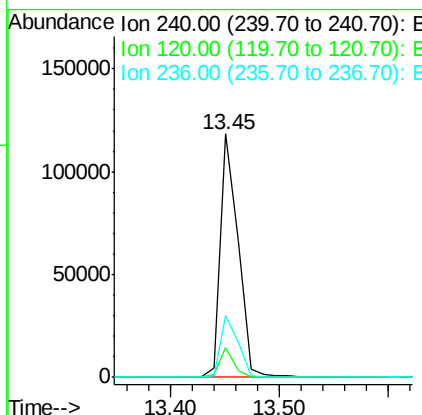
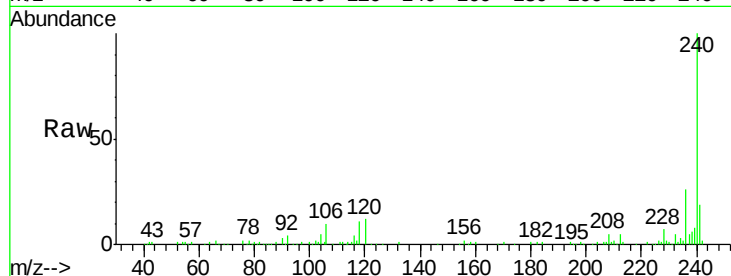




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.45 min Scan# 1038  
 Delta R.T. -0.01 min  
 Lab File: BF081458.D  
 Acq: 5 Sep 2015 11:43

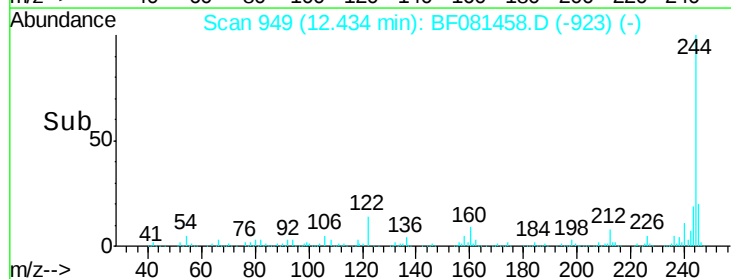
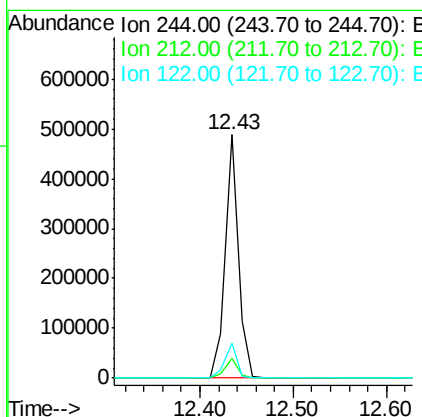
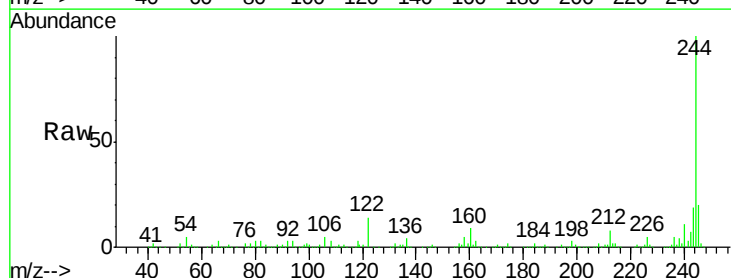
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-X

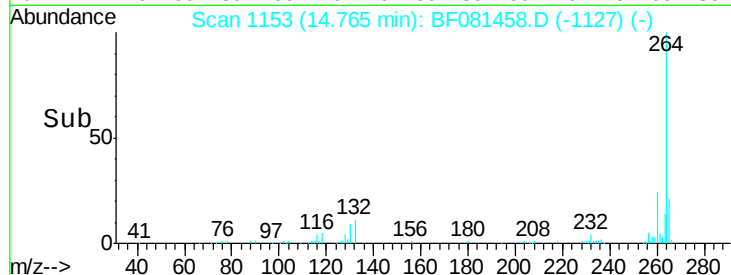
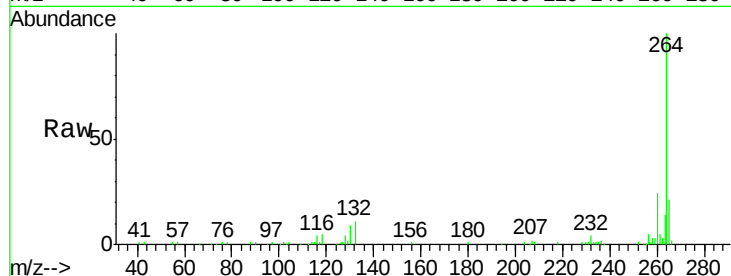
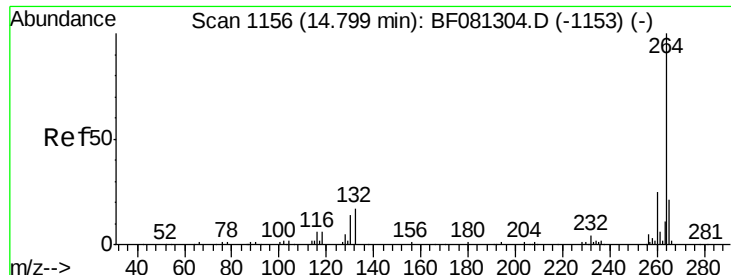
Tot Ion:240 Resp: 134675  
 Ion Ratio Lower Upper  
 240 100  
 120 12.4 16.2 24.2#  
 236 25.6 18.4 27.6



#78  
 Terphenyl-d14  
 Concen: 83.02 ng  
 RT: 12.43 min Scan# 949  
 Delta R.T. 0.00 min  
 Lab File: BF081458.D  
 Acq: 5 Sep 2015 11:43

Tgt Ion:244 Resp: 480333  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 4.3 6.5#  
 122 14.2 17.4 26.2#





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 14.77 min Scan# 1153  
Delta R.T. 0.00 min  
Lab File: BF081458.D  
Acq: 5 Sep 2015 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
DUP-X

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:264 | Resp: | 99337     |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.0  | 16.7 25.1 |
| 265         | 21.2  | 17.2 25.8 |

